

Patent

NASA Case No. NPO-30807-1-CU

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re Application of: |) | |
| Gregory Bearman, et al. |) | Examiner: Unknown |
| |) | |
| Entitled: RING-INTERFEROMETRIC SOL-GEL |) | Group Art Unit: Unknown |
| BIO-SENSOR |) | |
| |) | |
| Serial No.: To be assigned |) | |
| |) | |
| Filing Date: Herewith |) | |

INFORMATION DISCLOSURE STATEMENT

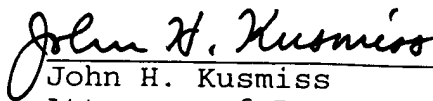
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant hereby cites patent and/or publications for consideration by the Patent and Trademark Office in regard to the claimed invention on the attached form. By this notice the applicant requests that the Patent and Trademark Office make of record the documents listed. No representation is made that more pertinent material is not available or should not be considered by the Examiner. It is expected that the Patent and Trademark Office will independently conduct a complete search of appropriate art. Furthermore, no admission is being made that these documents are prior art, and applicant reserves the right to challenge any such consideration.

Respectfully submitted,

Dated 12/09/03



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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 1 of 1 | Application Number: | To be assigned |
| | Filing Date: | Herewith |
| | First Named Inventor: | Gregory BEARMAN, et al. |
| | Group Art Unit: | Unknown |
| | Examiner Name: | Unknown |
| Attorney Docket Number: | | NPO-30807-1-CU |

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| Examiner Initials | Document No | Publication Date | Name of Patentee or Applicant of Cited Document | Class | Subclass | Filing Date |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | Publication Date | Country | Name of Patentee or Applicant of Cited Document | Translation? (Yes/No/n/a) |
|-------------------|-------------------------|------------------|---------|---|---------------------------|
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | |
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| | LUKOSZ W., et al., "Integrated optical chemical and direct biochemical sensors", <i>Sensors and Actuators</i> , Vol. B, No. 29, 1995, pp. 37-50, Elsevier Science, South America. |
| | SCHULT, KARSTEN, et al., "Disposable Optical Sensor Chip for Medical Diagnostics: New Ways in Bioanalysis", <i>Analytical Chemistry</i> , Vol. 71, No. 23, December 1, 1999, pp. 5430-5435, American Chemical Society, USA. |
| | WEISSER, M., et al., "Specific bio-recognition reactions observed with an integrated Mach-Zehnder interferometer", <i>Biosensors & Bioelectronics</i> , Vol. 14, 1999, pp. 405-411, Elsevier Science, South America. |
| | YAMANAKA, STACEY A., et al., "Enzymatic Activity of Glucose Oxidase Encapsulated in Transparent Glass by the Sol-Gel Method", <i>Chem. Mater.</i> , Vol. 4, No. 3, 1992, pp. 495-497, American Chemical Society, USA. |
| | HUNSPERGER, ROBERT G., "Integrated Optics: Theory and Technology", 1991, pp. 110-113, Springer-Verlag, New York. |

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| Examiner's Signature: | Date Considered: |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |